

Abstracts

Balanced V-Band DC-Biased Mixer with Wide (12-GHz) RF/IF Bandwidth

P. Meier. "Balanced V-Band DC-Biased Mixer with Wide (12-GHz) RF/IF Bandwidth." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. 1 [MWSYM]): 427-430.

This paper describes the design and performance of the first balanced dc-biased millimeter-wave mixer with a wide (12-GHz) instantaneous RF/IF bandwidth. Relative to the prior art, the new mixer requires less LO drive and yet provides the superior IM suppression provided by a balanced design.

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